



1648

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: ) Group Art Unit: 1648  
)  
BECKER ) Examiner: Hill, M.  
)  
Serial No. 10/020,596 ) Atty. Docket No. GP123-02.UT  
)  
Filed: December 7, 2001 )  
)  
For: METHOD AND KITS FOR )  
ENHANCING THE ASSOCIATION )  
RATES OF POLYNUCLEOTIDES )

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UNDER 37 C.F.R. § 1.97(b) & (c)**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant brings to the Examiner's attention the references listed on the enclosed form PTO/SB/08 (two copies) for consideration in connection with the examination of the above-identified application. Copies of these references are enclosed herewith.

This Information Disclosure Statement is being submitted under 37 C.F.R. § 1.97(b) before the mailing date of a first Office action on the merits.

If Applicant is mistaken, and a first Office action on the merits was mailed on or before the certified date of mailing indicated below, then Applicant requests that this Information Disclosure Statement be treated as a submission under 37 C.F.R. § 1.97(c) and that the fee due under 37 C.F.R. § 1.17(p) be charged to Deposit Account No. 07-0835 in the name of Gen-Probe Incorporated.

Applicant respectfully requests that the Examiner indicate consideration of the cited references by returning a copy of the enclosed form PTO/SB/08 with the Examiner's initials or other appropriate marks.

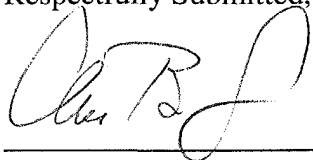
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Serial No. 10/020,596  
Atty. Docket No. GP123-02.UT

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Respectfully Submitted,



Date: April 1, 2002

By: \_\_\_\_\_

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**Complete if Known**

Application Number	10/020,596
Filing Date	December 7, 2001
First Named Inventor	BECKER
Group Art Unit	1648
Examiner Name	HILL, M.
Attorney Docket Number	GP123-02.UT

(use as many sheets as necessary)

Sheet **1** of **4**

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			Filing Date	December 7, 2001	
			First Named Inventor	BECKER	
			Group Art Unit	1648	
			Examiner Name	Hill, M.	
Sheet	2	of	4	Attorney Docket Number	GP123-02.UT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ASAYAMA et al., "Design of Comb-Type Polyamine Copolymers for a Novel pH-Sensitive DNA Carrier", Bioconjug Chem, 1997 Nov-Dec;8(6):833-8, American Chemical Society, US	
		BLOOMFIELD, "Condensation of DNA by Multivalent Cations: Considerations on Mechanism", Biopolymers, 1991 Nov;31(13):1471-81, John Wiley & Sons Incorporated, US	
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		FERDOUS et al., "Comb-Type Copolymer: Stabilization of Triplex DNA and Possible Application in Antigene Strategy", J Pharm Sci, 1998 Nov;87(11):1400-5, American Pharmaceutical Association, US	
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		KIM et al., "Acceleration of DNA strand exchange by polycation comb-type copolymer", Nucleic Acids Symp Ser, 1999;42:139-40, Oxford University Press, GB	
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		MAJLESSI et al., "Advantages of 2'-O-methyl oligoribonucleotide probes for detecting RNA targets", Nucleic Acids Res, 1998 May 1;26(9):2224-9, Oxford University Press, GB	

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Sheet **3** of **4**

### Complete if Known

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### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MARUYAMA et al., "Characterization of Interpolyelectrolyte Complexes between Double-Stranded DNA and Polylysine Comb-Type Copolymers Having Hydrophilic Side Chains", Bioconjug Chem, 1998 Mar-Apr;9(2):292-9, American Chemical Society, US	
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		TORIGOE et al., "Promotion mechanism of triplex DNA formation by comb-type polycations: Thermodynamic analyses of sequence specificity and ionic strength dependence", Nucleic Acids Symp Ser, 1999;42:137-8, Oxford University Press, GB	
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		WAHL et al., "Efficient transfer of large DNA fragments from agarose gels to diazobenzoyloxymethyl-paper and rapid hybridization by using dextran sulfate", Proc Natl Acad Sci USA, 1979 Aug;76(8):3683-7, National Academy Press, US	

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